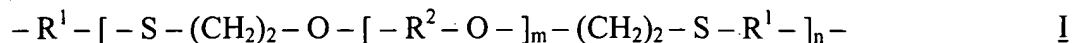


Amendments to the Abstract

A polythioether includes a structure having the formula I



wherein

R^1 denotes a divalent C_{2-6} n-alkylene, C_{3-6} branched alkylene, C_{6-8} cycloalkylene or C_{6-10} alkylcycloalkylene group, $-[(-CH_2-)_p-X-]_q-(-CH_2-)_r-$, or $-[(-CH_2-)_p-X-]_q-(-CH_2-)_r-$ in which at least one $-CH_2-$ unit is substituted with a methyl group,

R^2 denotes methylene, a divalent C_{2-6} n-alkylene, C_{2-6} branched alkylene, C_{6-8} cycloalkylene or C_{6-10} alkylcycloalkylene group, $-[(-CH_2-)_p-X-]_q-(-CH_2-)_r-$, or $-[(-CH_2-)_p-X-]_q-(-CH_2-)_r-$ in which at least one $-CH_2-$ unit is substituted with a methyl group,

X denotes one selected from the group consisting of O, S and $-NR^6-$,

R^6 denotes H or methyl,

m is a rational number from 0 to 10,

n is an integer from 1 to 60,

p is an integer from 2 to 6,

q is an integer from 1 to 5, and

r is an integer from 2 to 10.

The polythioether is a liquid at room temperature and pressure.